**Project 1.1**

BASIC Project:

Task 1 : DALL·E 2

Prompts to make Text to Art

1. Text Prompt : an illustration of a baby daikon radish in a tutu walking a dog
2. Text Prompt : an armchair in the shape of an avocado.
3. Text Prompt : a store front that has the word ‘Slash Mark’ written on it.

**Answer**

1. Imagine a playful scene with a baby daikon radish, resembling a cute, chubby-faced radish with rosy cheeks, wearing a tiny tutu. The radish is standing on two green stems that serve as legs. And that radish waking a dog
2. The avocado-shaped armchair is a unique and playful piece of furniture. It's designed to mimic the appearance of a ripe avocado, with attention to detail and comfort.
3. The store is nestled on a bustling city street, surrounded by various other businesses. The facade of the store is minimalistic and stylish, and write “slash mark” as store name.

**Project 1.2**

Task 2 : Runwayml

Prompts to make Text to 3D Model with Texture

1. Text Prompt : Beautiful and colourful Spanish tile.
2. Text Prompt : Macro photograph of a green leaf.
3. Text Prompt : Pink flowers petals on a wood floor.

**Answer**

1. Present a Beautiful and colourful Spanish tile.
2. Give me a beautiful Macro photograph of a green leaf.
3. Give a pretty Pink flowers petals on a wood floor design

**Project 1.3**

**Creating a basic chatbot application to answer frequently asked questions (FAQs) using Visual Studio involves several steps. In this example, we'll use Python, Flask, and OpenAI's GPT-3 for generating responses to user questions. Here's a step-by-step guide:**

Prerequisites:

1. Visual Studio installed on computer.
2. Python installed on your computer.
3. OpenAI GPT-3 API credentials.

Step 1: Setting up the Environment

1. Open Visual Studio and create a new Python project.
2. Create a virtual environment for your project. Open the terminal in Visual Studio and run:

**Bash**

python -m venv venv

1. **Activate the virtual environment:**

**bash**

.\venv\Scripts\Activate.ps1

**Step 2: Install Required Libraries**

Install Flask and the OpenAI Python library within your virtual environment. In the terminal, run:

**bash**

pip install Flask openai

**Step 3: Create a Flask Web Application**

1. **Create a new Python file in your Visual Studio project and name it app.py. Add the following code to create a Flask application:**

**Python code:**

from flask import Flask, request, render\_template

import openai

app = Flask(\_\_name\_\_)

# Set your OpenAI API key here

openai.api\_key = 'YOUR\_API\_KEY'

@app.route('/')

def index():

return render\_template('index.html')

@app.route('/ask', methods=['POST'])

def ask():

user\_question = request.form['question']

response = generate\_response(user\_question)

return response

def generate\_response(question):

# You can customize the prompt to match your specific FAQ topic

prompt = f"Answer the following question: {question}\nAnswer:"

response = openai.Completion.create(

engine="text-davinci-002",

prompt=prompt,

max\_tokens=50

)

return response.choices[0].text.strip()

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

1. **Next, create a folder named templates in your Visual Studio project. Inside the templates folder, create an HTML file named index.html and add the following content:**

**html**

<!DOCTYPE html>

<html>

<head>

<title>FAQ Chatbot</title>

</head>

<body>

<h1>FAQ Chatbot</h1>

<div id="chatbox">

<div id="chatlog"></div>

<input type="text" id="userInput" placeholder="Type your question...">

<button onclick="askQuestion()">Ask</button>

</div>

<script>

function askQuestion() {

var question = document.getElementById("userInput").value;

var chatlog = document.getElementById("chatlog");

chatlog.innerHTML += '<div class="user-msg">User: ' + question + '</div>';

document.getElementById("userInput").value = "";

fetch("/ask", {

method: 'POST',

body: new URLSearchParams({ question: question }),

headers: {

'Content-Type': 'application/x-www-form-urlencoded; charset=UTF-8'

}

})

.then(response => response.text())

.then(data => {

chatlog.innerHTML += '<div class="bot-msg">Bot: ' + data + '</div>';

});

}

</script>

</body>

</html>

**Step 4: Run the Application**

Run your Flask application within Visual Studio.

Visit http://localhost:5000 in your web browser to interact with your FAQ chatbot.

This is a basic implementation of a chatbot that uses GPT-3 to answer user questions. You can extend and customize it to handle more complex conversations, integrate it into your website, and improve the user interface. Make sure to keep your OpenAI API key secure, and consider deploying your chatbot to a production server for public use.